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| Form PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE (Rev. 01-2003) | | ATTORNEY'S DOCKET NUMBER AM100485 |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | | U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/549302 |
| INTERNATIONAL APPLICATION NO. PCT/US2004/007673 | INTERNATIONAL FILING DATE 11 March 2004 | PRIORITY DATE CLAIMED 17 March 2003 |
| TITLE OF INVENTION MUTANT CHOLERA HOLOTOXIN AS AN ADJUVANT AND AN ANTIGEN CARRIER PROTEIN | | |
| APPLICANT(S) FOR DO/EO/US Michael HAGEN | | |
| <p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)). <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 35 U.S.C. 371(c)(5)). <p>Items 11 to 20 below concern document(s) or information included</p> <ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 35 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 – 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: Rule 821(f) Statement, Paper copy of sequence listing, copy of International Search Report | | |
| <p style="text-align: center;">-----</p> <p style="text-align: center;">CERTIFICATION UNDER 37 CFR §1.10</p> <p>I hereby certify that this paper and the documents referred to as enclosed therein are being deposited with the United States Postal Service on the date written below in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EV100496605US addressed to the Mail Stop PCT, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.</p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="text-align: center;"> <p><u>September 15, 2005</u></p> <p>Date</p> </div> <div style="text-align: center;"> <p><u>Karolina Piorek</u></p> <p>Karolina Piorek</p> </div> </div> <p style="text-align: center;">-----</p> | | |

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| U.S. APPLICATION NO. (if known, see 37 CFR 1.5) Error! Reference source not found. | | INTERNATIONAL APPLICATION NO. PCT/US2004/007673 | | ATTORNEY'S DOCKET NUMBER AM100485 | |
| The following fees are submitted: 107549302 | | | | CALCULATIONS | PTO USE ONLY |
| 21. <input checked="" type="checkbox"/> Basic National Fee | | \$300 | | \$300.00 | |
| 22. <input checked="" type="checkbox"/> Examination Fee | | | | | |
| If international preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) | | \$100 | | 200.00 | |
| All other situations | | \$200 | | | |
| 23. <input checked="" type="checkbox"/> Search Fee | | | | | |
| Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an international Searching Authority | | \$100 | | 400.00 | |
| International Search Report prepared and provided to the Office | | \$400 | | | |
| All other situations | | \$500 | | | |
| TOTAL OF ABOVE FEES = | | | | \$ 900.00 | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof. | | | | | |
| TOTAL SHEETS | EXTRA SHEETS | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE | | |
| 69 - 100 = | 0 / 50 = | 0 | x \$250.00 | 0.00 | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | | | | 0.00 | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | |
| Total claims | 101 - 20 = | 81 | x \$50.00 | 4,050.00 | |
| Independent claims | 6 - 3 = | 3 | x \$200.00 | 600.00 | |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | \$360.00 | | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. | | | | 0.00 | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | | | 0.00 | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property. | | | | 0.00 | |
| TOTAL FEES ENCLOSED = | | | | \$5,550.00 | |
| | | | | Amount to be refunded: | |
| | | | | charged: | |
| <p>a. <input type="checkbox"/> A check in the amount of \$ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. 01-1425 in the amount of \$5,550.00 to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-1425. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> <p>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO: Wyeth Patent Law Department Five Giralda Farms Madison, NJ 07940 Tel. No. (732) 274-4843 Customer Number 25291</p> <p style="text-align: right;"><i>Bill T. Brazil</i> SIGNATURE</p> <p style="text-align: right;">Bill T. Brazil NAME</p> <p style="text-align: right;">50,733 REGISTRATION NUMBER</p> | | | | | |

Express Mail Label No. EV100496605US

10/549302

Mail Stop PCT
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Re: National Stage of PCT Application No. PCT/US2004/007673
Filed: To Be Assigned
Inventor(s): Michael HAGEN
Our Ref: AM100485

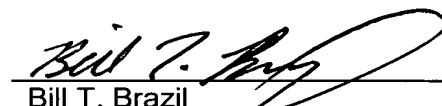
Sir:

We enclose the following papers for entering the national stage in the USPTO for the above-captioned PCT application:

Transmittal Letter in duplicate (2 pages); Preliminary Amendment; Application Data Sheet (2 pages); Declaration and Power of Attorney Form (5 pages); Formal Drawings (9 pages); Information Disclosure Statement; Form 1449; References; Statement Under 37 CFR 1.821(f) (1 page); Paper Copy of Sequence Listing (4 pages); Computer Readable Disk of the Sequence Listing, and copy of PCT International Search Report.

Correspondence Address: Customer Number: 25291

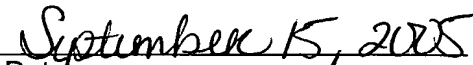
Respectfully submitted,

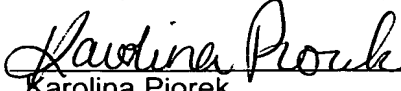
By: 
Bill T. Brazil
Agent for Applicants
Reg. No. 50,733

Wyeth
Patent Law Department
Five Giralda Farms
Madison, NJ 07940
Tel. No. 732-274-4843

CERTIFICATE OF MAILING 37 CFR §1.10

I hereby certify that this paper and the documents referred to as enclosed therein are being deposited with the United States Postal Service on the date written below in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EV100496605US addressed to the Mail Stop PCT, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.


Date


Karolina Piorek